Chapter 5

Communications Control Parameters

5.1 Introduction

Narrowband communications control is exercised through the parameter settings defined in this chapter. Every WSR-88D unit has different narrowband communications requirements; therefore, many of the specific parameter settings contained in this chapter will ***NOT*** be the same as the settings at your local site.

Each site is required to maintain a Communications Documentation Notebook to provide a ready reference to facilitate communications problem identification and resolution. The information required for this notebook is provided by the WSR-88D Hotline and should be closely monitored by the local focal point.

> # NOTE
>
> This chapter is provided for reference only, **DO NOT MODIFY YOUR NARROWBAND COMMUNICATIONS PARAMETERS** TO REFLECT THE ENTRIES PRESENTED HERE.

5.2 Associated PUP IDs and Comline Assignments

This menu assigns the four-letter PUP identifier to each associated narrowband communications line number. These PUP IDs are displayed on the Communications Control, Communications Status, and Narrowband Status menus, as well as the PUP/RPGOP Status menu.

```
                  ASSOC PUP IDS AND COMLINE ASSIGNMENTS      PAGE  1 OF  1
COMMAND: AD,*****,AS,
FEEDBACK:                                                    OPER A/

  (M)odify    (E)nd    (C)ancel

  LINE: ID      LINE: ID      LINE: ID      LINE: ID      LINE: ID
  -----------------------------------------------------------------
    5: PUP1      6: PUP2      7: PUP3      8: PUP4      9: PUP5
   10: PUP6     11: PUP7     12: PUP8     13: PUP9     14: PU10
   15: PU11     16: PU12     **:          **:          **:
   **:          **:          **:          **:          **:
   **:          **:          **:          **:          **:
   **:          **:          **:          **:          **:
   **:          **:          **:          **:          **:
   **:          **:          **:          **:          **:
   **:
```

Figure 5.2-1

5.3 Narrowband Reconfiguration Control

Upon initial setup and whenever communications ports are expanded, the narrowband configuration will require modification using this menu. Additionally, communications security requirements may necessitate password changes for dial-in ports. The OSF will authorize site personnel to modify the narrowband configuration when these modifications are required.

```
                  RECONFIGURATION CONTROL              PAGE  1 OF  6
COMMAND: AD,*****,NB,*****,RE,
FEEDBACK:                                              OPER A/

(M)odify,{NO}       (E)nd            (C)ancel        (P)age,{N PAGES}
(I)nsert,{NO}       (D)elete,{NO}    (U)pdate,{Y/N}

NO   LINE   DEVICE ID   LINE     BAUD    LINE     PUP ID/   DISTRIB   TIME LIMIT
     NUM    MNEUMONIC   CLASS    RATE    TYPE     PASSWD*   METHOD    MINUTES
----------------------------------------------------------------------------


----------------------------------------------------------------------------
 1    1     J01         RPGOP    56000   DEDIC    RPOP
 2    2     J02         RGDAC    9600    DINOUT                       60
 3    3     J03         NAPUP    9600    DIALIN   RDAT                60
 4    4     J04         NAPUP    9600    DIALIN   LINE                60
 5    5     J05         APUP     9600    DEDIC    PUP1
 6    6     J06         APUP     9600    DEDIC    PUP2
 7    7     J07         APUP     9600    DEDIC    PUP3
 8    8     J08         APUP     9600    DEDIC    PUP4
                  * PUP ID WHEN CLASS IS APUP, OTHERWISE PORT PASSWORD
```

Figure 5.3-1

```
                              RECONFIGURATION CONTROL              PAGE  2 OF  6
COMMAND: AD,*****,NB,*****,RE,
FEEDBACK:                                                         OPER A/

(M)odify,{NO}        (E)nd              (C)ancel          (P)age,{N PAGES}
(I)nsert,{NO}        (D)elete,{NO}      (U)pdate,{Y/N}

NO   LINE   DEVICE ID   LINE    BAUD    LINE     PUP ID/  DISTRIB   TIME LIMIT
     NUM    MNEUMONIC   CLASS   RATE    TYPE     PASSWD*  METHOD    MINUTES
-------------------------------------------------------------------------------

-------------------------------------------------------------------------------
 9    9     J09         APUP    9600    DEDIC    PUP5
10   10     J10         APUP    9600    DEDIC    PUP6
11   11     J11         APUP    9600    DEDIC    PUP7
12   12     J12         APUP    9600    DEDIC    PUP8
13   13     J13         APUP    9600    DEDIC    PUP9
14   14     J14         APUP    9600    DEDIC    PU10
15   15     J15         APUP    9600    DEDIC    PU11
16   16     J16         APUP    9600    DEDIC    PU12
                         * PUP ID WHEN CLASS IS APUP, OTHERWISE PORT PASSWORD
```

Figure 5.3-2

5.4 Narrowband Dial-in Port Control

This menu allows password and product availability control for individual dial-in ports.

```
                       DIAL-IN PORT CONTROL EDIT SCREEN         PAGE  1 OF  6
COMMAND: AD,*****,NB,*****,DI,
FEEDBACK:                                                         OPER A/

(M)odify,{NO}        (E)nd        (C)ancel      (P)age,{N PAGES}

NO      LINE       PORT        DISTRIB      TIME LIMIT
        NUM        PASSWD      METHOD       MINUTES
-------------------------------------------------------------

-------------------------------------------------------------
1       1                                   60
2       2                                   60
3       3          RDAT                      60
4       4          LINE                      60
```
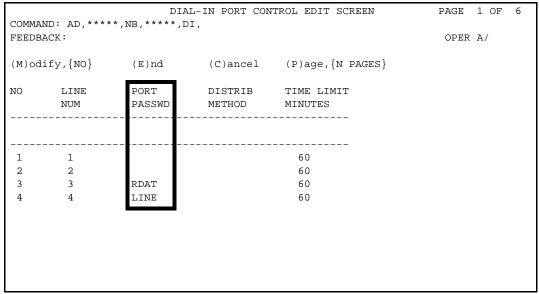
Figure 5.4-1

5.5   Authorized Dial-in Users

This menu is used to specify those PUPs authorized access to the RPG and to assign site-specific dial-in user passwords. Changes to this screen, including instructions to make the modifications, are provided by the WSR-88D Hotline.

```
                    AUTHORIZED DIAL-IN USERS SCREEN            PAGE  1 OF 54
COMMAND: AD,*****,NB,*****,AU,
FEEDBACK:                                                     OPER A/

(M)odify,{NO}        (E)nd              (C)ancel      (P)age,{N PAGES}
(I)nsert,{NO}        (D)elete,{NO}

NO      USER         USER        DISCONNECT
        ID           PASSWD      OVERRIDE
--------------------------------- ----------

--------------------------------- ----------
  1        9         OSFOTB          Y
  2       10         NORMAN          N
  3       11         CINDYA          Y
  4       12         WMICAH          N
  5       13         ASHLEY          Y
  6       14         PEPPER          N
  7       15         PUNKIN          Y
  8       16         WEATHR          N
```
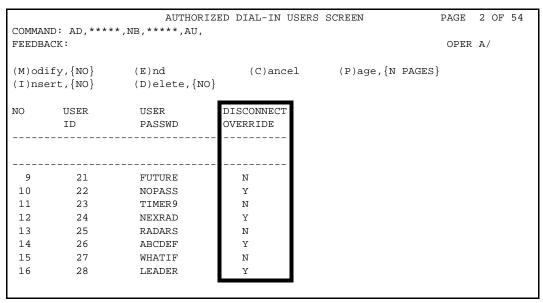
Figure 5.5-1

```
                    AUTHORIZED DIAL-IN USERS SCREEN            PAGE  2 OF 54
COMMAND: AD,*****,NB,*****,AU,
FEEDBACK:                                                     OPER A/

(M)odify,{NO}        (E)nd              (C)ancel      (P)age,{N PAGES}
(I)nsert,{NO}        (D)elete,{NO}

NO      USER         USER        DISCONNECT
        ID           PASSWD      OVERRIDE
--------------------------------- ----------

--------------------------------- ----------
  9       21         FUTURE          N
 10       22         NOPASS          Y
 11       23         TIMER9          N
 12       24         NEXRAD          Y
 13       25         RADARS          N
 14       26         ABCDEF          Y
 15       27         WHATIF          N
 16       28         LEADER          Y
```

Figure 5.5-2

5.6 Interface Parameters

This menu defines timeout and retry times for the wideband and narrowband communications interfaces. Additionally, the Rain Gage Data Acquisition Computer (RGDAC) phone numbers are specified here. The RGDAC phone number definitions are under the Agency LOCA.
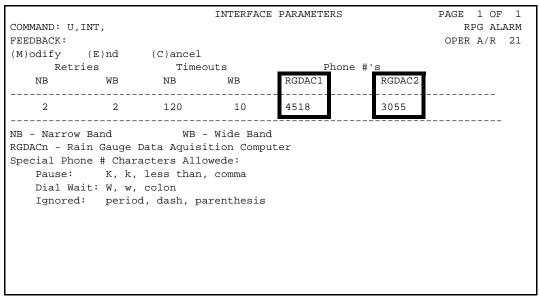
```
                          INTERFACE PARAMETERS              PAGE  1 OF  1
COMMAND: U,INT,                                                 RPG ALARM
FEEDBACK:                                                    OPER A/R  21
(M)odify   (E)nd    (C)ancel
     Retries            Timeouts              Phone #'s
   NB          WB       NB       WB      RGDAC1         RGDAC2
-------------------------------------------------------------------------
    2           2       120      10      4518           3055
-------------------------------------------------------------------------
NB - Narrow Band         WB - Wide Band
RGDACn - Rain Gauge Data Aquisition Computer
Special Phone # Characters Allowede:
    Pause:     K, k, less than, comma
    Dial Wait: W, w, colon
    Ignored:   period, dash, parenthesis
```

Figure 5.6-1

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